

CLAIMS

What is claimed is:

1. A system comprising:

a terminal device attached to a network and comprising a visual display;

a medical device attached to the network;

a communication initiated by the medical device and transmitted over the network, the communication comprising status or programming information for the medical device;

a server attached to the network;

a message generated by the server and transmitted over the network upon request by the terminal device or upon occurrence of an event, said message comprising at least a portion of the status or the programming information contained within the communication initiated by the medical device;

wherein at least a portion of said message is provided in a humanly readable format on the visual display.

2. The system of claim 1, a request message generated by a software application executed by the terminal device, a response message generated in response to the request message and comprising of information contained within a data packet generated by the medical device, and wherein said information is modified in response to a change in the information contained within another data packet generated by the medical device.

3. The system of claim 2 wherein the program is written in a high-level software language.

4. The system of claim 2 wherein the program is written is an object-oriented language.

5. The system of claim 2 wherein the software application is a Web browser.

6. The system of claim 2 wherein the software application resides on the server and its output is displayed in a browser.

7. The system of claim 1 wherein the network is located within a health care facility.

8. The system of claim 1 wherein the medical device is an infusion pump.

9. The system of claim 2, said information comprising an alarm, alert, or other notification.

10. The system of claim 9, said change in the information comprising cancellation of an alarm,
5 alert, or other notification.

11. The system of claim 2, said information comprising pump programming.

12. The system of claim 2, wherein said medical device is an infusion pump and said change in
10 the information comprising a change in the pump programming.

13. The system of claim 1 wherein the terminal device is associated with a clinician responsible
for care of a patient and the medical device is attached to the patient.

15 14. A system comprising:

a request message generated substantially within a time interval by a program within a
software application executed by a terminal device;

a response message generated in response to the request message and comprising of
information contained within a data packet generated by a medical device; and,

20 wherein said information is modified in response to a change in the information contained
within another data packet generated by the medical device.

15. The system of claim 14 wherein the program is written in a high-level software language.

25 16. The system of claim 14 wherein the program is written is an object-oriented language.

17. The system of claim 14 wherein the program is written in JAVA.

18. The system of claim 14 wherein the program is written in C+.

30 19. The system of claim 14 wherein the program is written in Visual Basic Script.

20. The system of claim 14 wherein the software application is a Web browser.

21. The system of claim 14 wherein the software application resides on a server and its output is displayed in a browser.

5 22. The system of claim 14 wherein the terminal device is attached to a network within a health care facility.

23. The system of claim 14 wherein the medical device is an infusion pump.

10 24. The system of claim 23, said information comprising an alarm or an alert.

25. The system of claim 24, said change in the information comprising cancellation of an alarm or an alert.

15 26. The system of claim 23, said information comprising pump programming.

27. The system of claim 26, said change in the information comprising a change in the pump programming.

20 28. The system of claim 14 wherein the terminal device is associated with a clinician responsible for care of a patient and the medical device is attached to the patient.

29. The system of claim 14 wherein a first central computer is operably connected between the terminal device and the medical device.

25 30. The system of claim 29 wherein the first central computer generates the response message.